



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
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No. 29] NEW DELHI, SATURDAY, JULY 19, 1980 (ASADHA 28, 1902)

इस भाग में भिन्न पृष्ठ संख्या वी आती है जिससे कि यह असम संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

#### THE PATENT OFFICE

#### PATENTS AND DESIGNS

Calcutta, the 19th July 1980

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

12th June, 1980

691/Cal/80. Snia Viscosa S.P.A. Societa' Nazionale Industria Applicazioni Viscosa. Improved process for the preparation of viscose and process for the spinning of the viscose thus obtained.

692/Cal/80. Dr. Asit Kumar Roy. Petrological projector.

693/Cal/80. Dynamit Nobel Aktiengesellschaft. Method of obtaining and reusing of oxidation catalyst in the written dmt process.

694/Cal/80. Tanabe Seiyaku Co., Ltd. Method for producing ethanol in high concentration by using immobilized microorganism.

695/Cal/80. Metallgesellschaft A. G. Process of heat-treating pellets.

13th June, 1980

696/Cal/80. Regie Nationale Des Usines Renault. Stop-block for railway tracks.

697/Cal/80. Ballestra Chimica S.p.A. Multi-stage neutralisation of sulphonic acid.

698/Cal/80. Suryasen Kanjilal Roy. An improved two row taper roller bearing assembly.

16th June, 1980

699/Cal/80. Contraves Italiana S.p.A. Integrated antenna array for radar equipment enabling the simultaneous generation of two or more different radiation patterns.

700/Cal/80. Koehler Manufacturing Company. A textured tubular body for use in a tubular storage battery plate and a method of making that body.

17th June, 1980

701/Cal/80. Indian Explosives Limited. The Alkali and Chemical Corporation of India Limited and Chemicals and Fibres of India Limited. Method of manufacture of cyclic monoketones from corresponding cyclic olefins by oxidation with hexavalent chromium in presence of a phase transfer catalyst.

702/Cal/80. Indian Explosives Limited. The Alkali and Chemical Corporation of India Limited and Chemicals and Fibres of India Limited. Method of manufacture of cyclic mono and diketones from cyclic olefins by catalytic oxidation.

703/Cal/80. O. E. Waldmeier and E. Trust. Security holder for diamonds and other precious stones.

704/Cal/80. Union Carbide Corporation. High tear strength polymers.

18th June, 1980

705/Cal/80. Dana Corporation. Coaxial spring damper drive.

706/Cal/80. Mitsui Petrochemical Industries, Ltd. Process for producing olefin polymers or copolymers.

707/Cal/80. Sasol One (Proprietary) Limited. Process for converting coal into liquid products.

708/Cal/80. American Cyanamid Company. Diethylcarbamazine resinate and styrylpyridinium resinate diethylcarbamazine resinate edible anthelmintic tablets for companion animals.

709/Cal/80. M. A. Unde. Improvement in or relating to welding device such as arc welding used for joining metal parts.

710/Cal/80. M. A. Unde. Improvements in or related to non-destructive testing device such as electrified particle spray gun used for detecting surface flaws on coated surfaces.

**APPLICATIONS FOR PATENTS AT THE  
(DELHI BRANCH)**

1st May, 1980

319/DEL/80. Saraswati Industrial Syndicate Ltd. "Bed Plates for Fluidised Beds for Combustion of Solid Fuel."

320/DFL/80. Dunlop Limited. "Shuttlecocks." (May 10, 1979).

321/DEI/80. Dr. Avinash Puri Goswami. "Kiranswabhav-mapak."

2nd May, 1980

322/DEL/80. Director General, Research Designs & Standards Organisation. "Kerosene Oil Lantern."

323/DFL/80. Director General, Research Designs & Standards Organisation. "Tail Lamp."

324/DFL/80. Director General, Research Designs & Standards Organisation. "Guards Box."

325/DFL/80. Pont a Mousson S. A. "Pipe of Ductile Cast Iron."

326/DEI/80. Council of Scientific & Industrial Research. "Process for the Preparation of sheet Material from Leather Waste."

327/DEI/80. Council of Scientific & Industrial Research. "Electrolytic reduction of 2-4 dinitro phenol to 2-4 diaminophenol sulphate."

3rd May, 1980

328/DEL/80. Brij Kishore Gupta. "Animated Cinema Slide with Voice."

5th May, 1980

329/DEI/80. Kunti Devi. "Bull Valves (Horizontal Plunger type) including Floats for water supply purposes."

330/DFL/80. Necchi S.p.A. "Improvements in Lubrication Systems in Refrigerator Compressors."

331/DFL/80. G. D. Societa Per Azioni. "Method and Relative Manufacture Machine for Simultaneously Producing two continuous Cigarette Rods."

6th May, 1980

332/DFL/80. Dresser Industries, INC. "Over the Bolster Steering Assembly for a Radially Steering Railway Truck."

333/DEI/80. Council of Scientific & Industrial Research. "Process for the Synthesis of N-Substituted-2-Aminoacrylic Phenones Useful as Spemicides."

7th May, 1980

334/DFL/80. Pritpal Singh Sawhney. "A Folding Chair."

335/DEL/80. Pritpal Singh Sawhney. "A Process of Dam Construction."

336/DFL/80. Kandiah Tharma Nayagam. "Concrete Mould and Method of Moulding Concrete Panels." (May 15, 1979).

8th May, 1980

337/DEL/80. Director General, Research Designs and Standards Organisation. "Toe Load Measuring Device for Elastic Fastenings."

338/DEL/80. Council of Scientific & Industrial Research. A process for synthesis of substituted pyrimido (2', 1': 6, 1) Pyrido (3, 4-b) indoles and substituted S-triazino (2', 1': 6, 1) pyrido (3, 4-b) indoles as tubal and vasal occluding agents."

339/DFL/80. Dr. K. C. Sharma. "Sarma's Cystostomy Set."

9th May, 1980

340/DEL/80. The Lutamus Company. "Improved Apparatus for Carrying out Catalytic Exothermic and Endothermic High-Pressure Gas Reactions and Processes for Effecting Same."

341/DEL/80. Carrier Corporation. "Diffuser Suitable for use in Centrifugal Compressors." [Divisional date July 10, 1978].

342/DFL/80. Thomson-Brandt. "A Process of Opacification of a Gaseous Medium in the Optical and Infrared Bands of the Electromagnetic Spectrum, and its application to an Electro-Optical Counter-Measure Device."

**APPLICATIONS FOR PATENTS FILED AT THE  
(BOMBAY BRANCH)**

26th May, 1980

145/POM/80. Priyal Khanderao Kulkarni and Vijay Priyal Kulkarni. Improvements in or relating to Solar Cooker.

29th May, 1980

146/BOM/80. Madhusudan. Submersible Motor.

147/BOM/80. Mayank Surendra Vakil. A bottle with a leakproof tamperproof closure cap.

30th May, 1980

148/BOM/80. Grindwell Norton Limited. A process for the manufacture of silicone carbide (SiC) using a new carbonaceous materials.

2nd June, 1980

149/BOM/80. Dr. Dinkar Govind Takte. An improvement in the apparatus for removing the outer skin of the sugar cane to enhance the recovery of white consumption sugar, khandsari sugar and gur quality.

150/BOM/80. Mrs. Shakuntala Vinayak Barge. A sliding metric conversion attachment for a scale.

151/BOM/80. Atmaram Sonupant Korde. Instant tea maker device.

4th June, 1980

152/BOM/80. Vinayak Sambashio Aglawey. Use of seasoned petals of flower lotus for musk melon.

153/BOM/80. Anturkar Dilip Pralhad. View Projector.

154/BOM/80. Packam And Company. A pilfer-proof aluminium bottle.

155/BOM/80. Packam And Company. Aluminium bottle container.

156/BOM/80. Jimmy Sorab Canteenwalla. Improved sealing Device.

9th June, 1980

157/BOM/80. Rajiv K. Badlani. Method for manufacturing DENIM cloth and an apparatus therefor.

10th June, 1980

158/BOM/80. Shankar Pattraya Lotlikar. Automatic washing machine having double speed mechanism to washing drum with single speed motor.

159/BOM/80. Mohamad Sirajuddin. A process for the manufacture of liquid plastics.

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

2nd June, 1980

100/Mas/80. D.S.S. Laus. An improved umbrella.

4th June, 1980

101/Mas/80. Ask Consultants Pvt. Ltd., Quick and easy assembly explosive cutting charges and a method for producing the same.

7th June, 1980

102/Mas/80. Indian Institute of Technology. Synthesis of condensed nitrogen heterocycles derived from Indan-1, 3-Dione.

11th June, 1980

103/Mas/80. C. S. Rao. An improvement or modification for a crusher to mill sugarcane.

104/Mas/80. Lucas Industries Ltd. Adjustable abutments in disc brakes. (June 15, 1979).

105/Mas/80. Lucas Industries Ltd., Dual Master Cylinder braking systems. (June 12, 1979).

106/Mas/80. Lucas Industries Ltd., Master Cylinder. (June 12, 1979).

12th June, 1980

107/Mas/80. Lucas Industries Ltd., Internal shoe drum brake. (June 22, 1979).

13th June, 1980

108/Mas/80. V. E. Edwin. Joss sticks and methods of manufacture thereof.

109/Mas/80. Shreesyla Electronics Pvt. Ltd., Pendulum oscillators for use as time bases in electric clocks.

## ALTERATION OF DATE

147835.  
815/Del/78. } Ante-dated 14th July, 1976.  
147836.  
816/Del/78. } Ante-dated 14th July, 1976.  
147837.  
51/Del/79. } Ante-date 29th June, 1977.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS : 123

Int. Cl. A 01 n 5/00.

A PROCESS FOR PREPARING PLANT GROWTH ENHANCING COMPOSITION IN THE FORM OF POWDER LIQUID OR PASTE.

*Applicant & Inventor:* Dr. MAHESHCHANDRA

CHIMANLAL SHROFF.

ARUNODAYA, PRATAP ROAD

ROAPURA BARODA-390 001.

GUJARAT, INDIA.

Application No. 266/BOM/77 filed Sept 1, 1977.

Complete specification left December 1, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 11 Claims

A process for preparing plant growth enhancing composition in the form of powder, liquid or paste, characterised in that, the composition contain at least one of the active compounds represented by general formula.

$\text{AOOC}-\text{CH}_2-\text{H}_2\text{C}-\text{COOA}$  in which 'A' stands for Hydrogen Sodium, Potassium, Ammonium or its N-Alkyl compounds as herein described and/or combinations thereof together with one or more organic acids or its alkali salts as herein described along with conventional fertilizers, inorganic salts, pesticides solvents, fillers and emulsifiers as herein described.

Provisional specification—5 pages.

Complete specification—9 pages.

CLASS 205 D

147830

Int. Cl. B 60 b 7/06.

IMPROVEMENTS IN OR RELATING TO A LOCKABLE HUB CAP ASSEMBLY FOR AUTOMOBILE WHEELS.

*Application & Inventor:* RAMRAO GANPATRAO CHAUDHARI, QRTR. No. 10-A, BHEL TOWNSHIP, HYDERABAD-500 032, ANDHRA PRADESH.

Application No. 146/Mas/78 filed September 1, 1978.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims

A lockable hub-cap assembly for automobile wheel which conceals the wheel-fixing nuts and locks them in position, comprising a bracket with a key-hole at its centre, the said bracket capable of being mounted on any of the two diametrically opposite studs provided on the wheel disc, a hub cap of a diameter slightly larger than the pitch circle of the said studs, the said hub cap having four equi-spaced internally serrated segments which, when the hub cap is mounted on the wheel disc, engage the said nuts and prevent them from turning, the said hub cap also having a lock-latch assembly fixed from inside in such a way that its key face is almost in flush with the outside surface of the hub cap, the whole arrangement being such that with the bracket fixed on the wheel disc and hub cap mounted on the hub, the lock latch passes through the key-hole of the said assembly and on turning the key the latch rotates through 90 degrees and thereby locking the assembly to the wheel.

(Com.—9 pages; Drwgs.—1 sheet)

CLASS 32B.

147831

Int. Cl.-C07c 1/04.

PROCESS FOR THE PREPARATION OF HYDROCARBONS.

*Applicant:* SHELL INTERNATIONALE RESEARCH MAATSCHAFFIJ B.V., OF CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

*Inventors*: HENRICUS MICHAEL JOSEPH BIJWAARD AND SWAN TIONG SIE.

Application No. 157/Del/78 filed February 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims. No drawings

A process for the preparation of hydrocarbons i.e., paraffins and olefins having from 1 to 30 carbon atoms, by catalytic reaction of carbon monoxide with hydrogen, characterized in that a mixture of carbon monoxide and hydrogen, whose H<sub>2</sub>/CO molar ratio is less than 1.0, is contacted at a temperature of from 200—350°C, a pressure of from 10 to 70 bar and a space velocity of from 400 to 5000 and preferably of from 400 to 2500 Nl l<sup>-1</sup> h<sup>-1</sup>, with a combination of two catalysts of which one catalyst having the required Fischer-Tropsch activity is a catalyst comprising at least one metal from the group consisting of iron and cobalt and has preferably being prepared by the impregnation of a porous carrier with a solution of a salt of the metal said one catalyst being capable at the reaction conditions carried out, of converting at least 30% of the H<sub>2</sub>/CO mixture with a selectivity of at least 70% for C<sub>3</sub>+hydrocarbons and of which the other catalyst having the required CO-shift activity is a catalyst containing both copper and zinc, preferably with a Cu/Zn atom ratio between 0.25 and 4.0, said other catalyst being capable at the temperature and pressure mentioned above and at a space velocity of 1000 Nl l<sup>-1</sup> h<sup>-1</sup> of converting at least 80% of the water present in a mixture of carbon monoxide and water having a CO/H<sub>2</sub>O molar ratio of 10.0 into hydrogen, and in that at least 10% of each of the catalysts is present in the catalyst combination.

Comp. Specn. 19 Pages.

Drgs. Nil

CLASS 172C & C<sub>5</sub>.

147832

Int. Cl.-D01g 7/00, 13/00.

APPARATUS FOR OPENING AND MIXING BALES OF FIBRES.

*Applicant*: SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

*Inventors*: GUNTER MAHRT AND GEORG GOLDAMMER.

Application No. 777/Cat/77 filed May 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Apparatus for opening and mixing fibre bales according to predetermined mixing proportions, comprising a tong-like gripper device intended to penetrate the fibre bales, a drive device which opens and closes the gripper device, and a control device which determines the mixing proportions, characterised in that there are associated with the drive device limiter means determining the extent of opening of the gripper device and enabling control to be exercised over the control device which determines the mixing proportions, the said limiter means being adjustable so as to accommodate to the size of the predetermined mixing proportions.

Comp. Specn. 19 Pages.

Drgs. 7 Sheets

CLASS 68E.

147833

Int. Cl.-G05f 1/10.

PULSE-OPERABLE SUPPLY DEVICE FOR SUPPLYING A PLURALITY OF STABILISED UNIDIRECTIONAL VOLTAGES.

*Applicant*: SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNCHEN, FEDERAL REPUBLIC OF GERMANY.

*Inventor*: GAUTAM TENDULKAR.

Application No. 961/Cat/77 filed June 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Pulse-operable supply device for supplying a plurality of stabilised unidirectional voltages, the circuitry comprising input terminals for receiving unidirectional voltage, a choke coupled to the input terminals by a controllable switch, and two electrical paths connected in parallel with one another sequentially of the choke, the choke and the two paths being bridged by a free wheeling diode and including two voltage transformers each of which has a primary winding and two secondary windings, the two primary windings being included in series with further controllable switches in respective ones of the two electrical paths such that each path includes only one primary winding of one of the voltage transformers, and there being two smoothing capacitors each of which is connected via a rectifier to a secondary winding of each of the two voltage transformers, whereby the two smoothing capacitors are arranged to supply the stabilised unidirectional voltages across their electrodes.

Comp. Specn. 7 Pages.

Drgs. 1 Sheet

CLASS 32F & F<sup>a</sup> & F<sup>b</sup> & F<sup>c</sup>.

147834

Int. Cl.-C07c 63/52.

PROCESS FOR THE PREPARATION OF OPTICALLY ACTIVE 2-ARYLPROPIONIC ACIDS.

*Applicant*: THE BOO'S COMPANY LIMITED, OF 1 THANE ROAD WEST, NOTTINGHAM, ENGLAND.

*Inventors*: JOHN STUART NICHOLSON AND JAMES GORDON TANTUM.

Application No. 241/Cat/78 filed March 7, 1978.

Convention date March 8, 1977/(09697/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A process for increasing the proportion of an enantiomer of a 2-arylpropionic acid which comprises heating at a temperature of at least 80°C a mixture comprising an inert liquid organic diluent and a salt of the 2-arylpropionic acid with an enantiomer of a chiral organic nitrogenous base, the base and the diluent being such that the salt of the racemic acid has a solubility of 0.1 to 10% w/v in the diluent at the operating temperature and in which process a proportion of the salt is undissolved in the diluent, whereby a proportion of one optical isomer of the acid component of the salt is converted into its enantiomer, and collecting the salt of which the acid component has an increased and preponderant proportion of that enantiomer.

Comp. Specn. 16 Pages.

Drgs. 1 Sheet.

CLASS 151E & F.

147835

Int. Cl.-F161 55/00.

DEVICE FOR REDUCING OR INTERRUPTING A MEDIA FLOW THROUGH A TUBULAR PIPE.

*Applicant & Inventor*: SVEN RUNO VILHELM GEBE LIUS, OF FRIDHEMSGATAN 27, S-112 40 STOCKHOLM, SWEDEN.

Application No. 345/Del/78 filed May 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

16 Claims

A device for reducing or interrupting a media flow through a tubular pipe characterised in that it includes two mainly parallel piston means with an internal distance between the adjacent outside peripheral portions corresponding to, or being less than, the internal diameter of the tubular pipe, said means being arranged, when travelling towards the tubular pipe, to remove two opposed edge portions of the tubular pipe, a second piston means being arranged, when said first movement has been completed, to travel in direction towards the tubular pipe and the piston means attached to the tubular pipe, said last movement being mainly perpendicular in relation to the length axis of the parallel piston means and the length axis of the tubular pipe, the length axis of said second piston means being arranged mainly

perpendicular to the centre axis of the tubular pipe, said second piston means, after completed travel through at least one of the parallel piston means the tubular pipe and at least part of the second parallel piston means, arranged to completely or partly prevent a media flow past the piston means extending through the tubular pipe.

Comp. Specn. 13 Pages. Drg. 4 Sheets  
CLASSS 190D 147836  
Int. FO 3 d 7/04.

**DEVICE FOR PREVENTING OVERLOAD IN WIND OPERATED POWER GENERATORS.**

*Applicant & Inventor:* WALTER SCHONBALL THURINGERSTR 6 D-53, BONN WEST GERMANY.

Application No. 8/Mon/77 Filed Jun 10, 1977.

Complete specn left April 5, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

**5 Claims**

1. A device for preventing overload in wind operated power generators comprising a first, normally horizontal axle; a wind wheel secured to an end portion of the axle for driving in use, a power generators; means for keeping the axle parallel to a wind direction; and a support structure mounted on a second axle disposed horizontally and transversely of the first axle, means for supporting the first axle and the wind wheel on the said structure in unstable balance from the second axle for a reversible upward movement of the first axle and of the wind wheel thereon, under a high pressure of the wind, means for balancing the first axle and the wind wheel thereon relative to the second axle, and cable means for attaching the balancing means to the said support structure in such a way that a balancing force acts against the upward movement of the first axle and of the wind wheel in a predetermined position of the balancing means relative to the second axle and to return them to such predetermined position after their upward movement when the high pressure of the wind ceases.

Provisional specn 8 pages drawing 2 sheets.

Complete specn 9 pages drawing 2 sheets.

CLASS 5A 147837  
Int. Cl. A01b 17/00.

**A PLOUGH WITH DEPTH ADJUSTMENT MECHANISM.**

*Applicant:* SRI PRAKASH INDUSTRIES, 73, SIIANDAI ROAD, DJNDIGUL-3, MADURAI DISTRICT, TAMIL NADU.

*Inventors:* THOPPE VENKATARAMAN NATARAJAN & THARMIYA SUBBARAMAN KUPPUSAMY.

Application No. 137/Mas/77 filed August 17, 1977.

Complete specification left November 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**4 Claims**

A plough with a depth adjustment mechanism comprising a frame to which one or more plough blades are fitted along the length thereof, one end of the frame being adapted to be pivotally secured to the pole of the plough while other end being a free end and operatively connected to the said depth adjustment mechanism which mechanism comprises a support member mounted on the said pole, a rod co-operating with the said support member and connected to one end of a U-shaped member, the other end of which is connected to the said free end of the said frame so that upon the operation of the said rod, the said U-shaped member moves the said free end of the said frame towards or away from the said pole thereby varying the depth of out of the said plough blades.

(Prov.—4 pages; Com.—4 pages; Drwgs.—1 sheet).

CLASS 125-B<sup>9</sup> 147838

Int. Cl. G01f 3/36 & B 67d 5/30

**AUTOMATIC MULTIPLE DISPENSER.**

*Applicant & Inventor:* SUDARSHAN SHRIDHARAN PUTHUPARAMBI, NYASARGI, BACHANKI P.O., MUNDGOD TALUKA, KARWAR DIST KARNATAKA.

Application No. 172/Mas/77 filed October 25, 1977.

Complete Specification left January 24, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**1 Claim**

Automatic Multiple Dispenser comprising a reservoir with a stopcock connected by a connecting tube to a second stopcock, a diversifier having two outlets at the bottom for communicating liquid to two measuring chambers, each measuring chamber having an outlet at the top for dispensing the excess liquid from the measuring chamber to a rectangular container with a drain tube and a unit of eleven cylindrical sub-chambers of 20 ml capacity each, each said sub-chamber having conic shaped inside ground bottom outlet fitted with a delivery tube and a ground spical valve comprising an iron ball covered with the glass, an electromagnetic device for operating said valves, a rinse-liquid-collector for collecting the rinse liquid and assembled all said components on a wooden stand to dispense simultaneously measured quantities of liquid in 22 units of 20 ml each.

(Prov.—2 pages; Com.—14 pages; Drwgs.—9 sheets).

CLASS : 32E 147839

Int. Cl. B01 J 1/00.

C 08J 1/00.

**A PROCESS FOR DYEING OF STRONGLY BASIC ANION EXCHANGE RESIN TO PRODUCE DYED ANION-EXCHANGE RESIN HAVING SELF INDICATING PROPERTY.**

*Applicants:* INDUSTRIAL AND AGRICULTURAL ENGINEERING CO. (BOMBAY) LIMITED 196 LAL BAHDUR SHASTRI MARG, BHANDUP, BOMBAY-400 078, MAHARASHTRA, INDIA.

*Inventor:* SHRINIVAS CHAMPAKNATH TUMKUR.

Application No. 206/BOM/1977 Filed June 24, 1977.

Complete specification left on July 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

**3 Claims**

A process for dyeing of strongly basic anion-exchange resin to produce dyed anion-exchange resin having self-indicating property comprising mixing the said anion exchange resin with an aqueous solution of a reactive dye or a mixture of dyes of phthalein type in a proportion of resin to dye solution ranging between 1 : 0.5 to 1 : 8 by vol/vol under controlled temperature of 15°C to 30°C.

Provisional specification—3 pages.

Complete specification—5 pages.

CLASS 129C 147840

Int. Cl. B 23 b 39/12.

**IMPROVEMENTS IN OR RELATING TO A RADIAL DRILL.**

*Applicant:* ROCKET ENGINEERING CORPORATION PVT LTD POST BOX 178, 33, UDYAM NAGAR EXTENSION KOLHAPUR 416 001, MAHARASHTRA INDIA.

*Inventor:* CHANDRAKANT MADHUKAR UTTURE.

Application No. 91/Bom/78, Filed Mar 30, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

## 3 Claims

1. A radial drill, wherein the drill head is supported on a support arm rotatably mounted on the horizontal arm of the radial drill and adapted to rotate in a horizontal plane.

Complete specification 5 pages, drawings 2 sheets.

CLASS 206-I.

147841

Int. Cl.-H04b 7/14.

## IMPROVEMENTS IN OR RELATING TO MULTICHANNEL RADIO RELAY SYSTEMS.

*Applicant* : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, GERMANY (WEST).

*Inventors* : HANS-WERNER WEBER AND HERMANN VOLIHARDT.

Application No. 1194/Cal/77 filed August 3, 1977.

Convention date May 20, 1977/(21268/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A multi-channel radio relay system in which a plurality of frequency channels are provided in a link between a transmitting station and a receiving station, said channels being combined to form a common, high-frequency group via a cascade circuit composed of channel branch elements, each of which contains a circulator and a bandpass filter, the allocation of frequencies being such that each channel passes via an equal number of circulators in said link, the highest frequency being allotted to that circulator most remote from the antenna in the transmitting cascade and most adjacent the antenna in the receiving cascade, or vice versa, and the highest frequency being allotted to that circulator at the opposite end of said cascade to that allotted for the lowest frequency, in each case, all said circulators being similarly disposed in their respective cascades, and the band-pass filter connected to that circulator most remote from the antenna in each said cascade being detuned to present a middle-frequency displaced in the direction of the middle frequency of the respective adjacent channel frequency.

Comp. Specn. 13 Pages.

Drg. 3 Sheets.

CLASS 190C.

147842

Int. Cl.-F03b 1/00.

## HYDRAULIC TURBINE SPEED GOVERNOR.

*Applicant* : PROIZVODSTVENOE OBIEDINENIE TURBOSTROENIYA "LENINGRADSKY METALLICHESKY ZAVOD", LENINGRAD, SVERDLOVSKAYA NABEREZHNAЯ, 18, USSR

*Inventors* : BORIS NIKOLAEVICH ANANIN AND VLADIMIR MIKHAILOVICH MISHKIN.

Application No. 1646/Cal/77 filed November 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A hydraulic turbine speed governor comprising a hydro-mechanical amplifier to convert an electric turbine speed automatic control signal into a corresponding displacement of the guide vanes of the turbine, the hydromechanical amplifier including a guide vane servomotor, a main distributing valve controlling the guide vane servomotor, and an electro-hydraulic transducer acting on the main distributing valve, a guide vane opening limiter, a servomotor locking device adapted to lock the servomotor rod to prevent its displacement in the guide vane opening sense in the presence of a locking signal, a double-arm lever having a support maintained in mechanical contact with the rod of the main distributing valve, a leverage linking the first arm of the double-arm lever to an actuator of the servomotor locking device when the servomotor is controlled by the electric turbine speed automatic control signal, and linking said first arm to an actuator of the guide vane opening limiter when the servomotor is manually controlled, and a feedback mechanism interconnecting the

guide vane servomotor and its main distributing valve by linking the servomotor rod to the second arm of the double-arm lever.

Comp. Specn. 10 Pages.

Drg. 1 Sheet

CLASS 27L & 157D<sub>a</sub>

147843

Int. Cl.-E01b 3/34.

## CONCRETE UNIT PRESTRESSED USING TENDONS STRESSED BEFORE CONCRETING, MORE PARTICULARLY A RAILWAY SLEEPER.

*Applicant* : FREYSSINET INTERNATIONAL (S.T.U.P.), FORMERLY KNOWN AS SOCIETE TECHNIQUE POUR L'UTILISATION DE LA PRECONTRAINTE (S.T.U.P.—PROCÉDES FREYSSINET), OF 66 ROUTE DE LA REINE, 92100 BOULOGNE-BILLANCOURT, FRANCE.

*Inventor* : JEAN OLIVIER-MARTIN.

Application No. 1184/Cal/76 filed July 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A long concrete unit, particularly prestressed railway sleepers, prestressed by tendons tensioned before concreting, at least one section of which, near the end of the said unit, is submitted to maximum loads, characterized in that at least one of the tendons made of a high tensile steel strand is provided by surface deformations improving bond capacity thereof with the concrete and is surrounded by steel spirals on either side of the zone of maximum tensile stress imparted in said unit by load effects.

Comp. Specn. 7 Pages.

Drg. 1 Sheet

CLASS 52A.

147844

Int. Cl.-B29c 7/14.

## DEVICE FOR LONGITUDINAL CUTTING OF THERMOPLASTIC MATERIALS INTO STRIPS.

*Applicant & Inventor* : IVAN ALEXANDROVICH KOLOSIV, ULITSA ASTRAKHANSKAYA, 118, KV. 54, SARATOV, USSR.

Application No. 1375/Cal/77 filed September 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A device for longitudinal cutting of a thermo-plastic material, mainly strips of a separating material for battery electrodes wherein the band is fed from a roll holder on two pulling rollers with a drive, installed near and parallel to the roll holder and ensuring the movement of said band; positioned near and parallel to said pulling rollers is a common shaft located under a cutting mechanism comprising at least one electric cutter; said electric cutter is installed on an arm whose hub is secured on the common shaft with the aid of an intermediate sleeve which is fastened on said shaft along the line of cut, said arm has a segment on its face and the intermediate sleeve also has a segment tooth, said teeth lifting automatically said electric cutter due to interaction of said segment teeth during the turning of said common shaft.

Comp. Specn 8 Pages

Drg. 1 Sheet

CLASS 167C.

147845

Int. Cl.-B07h 1/02.

## A PROCESS FOR MAKING MOLECULAR SIEVE ZEOLITES FROM PADDY HUSK.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : SAMARENDRA NATH DUTTA, MAHESH CHANDRA UPRETI, PRAKASH CHANDRA BORTHAKUR AND GIRISH CHANDRA BHATTACHARYYA.

Application No. 520/Del/77 filed December 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 11 Claims. No drawings

A process for making molecular sieve zeolites using paddy husk as the raw material consists in that the paddy husk is extracted with 1 to 2 N sodium hydroxide at 100°C, the extract containing sodium silicate and lignin is reacted with the requisite amount of sodium aluminate after adjusting the pH of both the reactants between 11 and 12.5 by neutralizing the excess sodium hydroxide with hydrochloric acid, the aluminosilicate gel formed is washed and then put for crystallization, adjusting the volume and normality of the medium, at 60-100°C for 4 to 100 hrs., washing and drying to obtain the final product.

Comp. Specn. 11 Pages.

Drg. Nil

CLASS 12C & 129G.

147846.

Int. Cl.-C21d 1/00.

#### APPARATUS FOR THE CONTROLLED COOLING OF WIRE.

*Applicant* : MORGARDSHAMMAR AKTIEBOLAG, OF S-777 00, SMEDJEBACKEN, SWEDEN.

*Inventor* : WALTER JOHANN KARIBERGER.

Application No. 325/Cal/77 filed March 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

Apparatus for the controlled cooling of wire, comprising a movable conveyor for continuously receiving wire in the form of overlapping windings, said conveyor being in the form of a turntable having a carrying surface which is inclined with respect to the horizontal, means surrounding the conveyor for controlling the temperature of the wire, and a device for collecting cooled overlapping windings.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS 9E & F.

147847.

Int. Cl.-C22c 1/02.

#### A METHOD FOR PRODUCING COLD FORMED PARTS FROM BILLETS OF AN ALLOY.

*Applicant* : EUTECTIC CORPORATION, OF 40-40 172ND STREET, FLUSHING, NEW YORK 11358, UNITED STATES OF AMERICA.

*Inventors* : HANS-THEO STEINE AND WOLFGANG SIMM.

Application No. 1042/Cal/77 filed July 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 23 Claims. No drawings

A method for producing cold formed parts from billets of an alloy consisting essentially of about 10% to 45% copper, 0 to 35% zinc, 1.5 to 15% of at least one metal selected from the group consisting of tin and indium and about 35% to 55% of silver making up substantially the balance, the amount of said tin and/or indium being sufficient to provide an  $\alpha+\delta$  region at an elevated heat treating temperature defined as the equilibrium temperature  $T_E$  which comprises : hot working said billet to reduce its cross section at least 50%; subjecting said hot worked billet to a heat treatment to equilibrate the sample at an equilibrating temperature,  $T_F$ , in the  $\alpha+\delta$  transformation range, said equilibrating temperature being defined as follows :

$$T_E = BT_S$$

where  $T_{E\gamma}$  = lowest temperature in degrees absolute at which both a solid and a liquid phase of an alloy can exist in equilibrium (i.e., the solidus temperature) and  $B$  = the base temperature factor for the alloy ranging from 0.5 to 0.7

(which stated another way corresponds to 50% to 70%); the time of said heat treatment being sufficient to assure substantial formation of said  $\alpha+\delta$  phases; and cold working said billet to the desired dimensions to produce a cold worked article.

Comp. Specn. 18 Pages.

Drg. Nil.

CLASS 127 I.

147848

Int. Cl.-B23b 29/24, B23b 43/00.

#### TOOL STORAGE MAGAZINE.

*Applicant* : KEARNEY & TRECKER CORPORATION, 11000 THEODORE TRECKER WAY, WEST ALLIS, WISCONSIN 53214, UNITED STATES OF AMERICA.

*Inventors* : EARL REX LOHNEIS AND FRANK ZANKL.

Application No. 1103/Cal/77 filed July 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims

Tool storage magazine with a plurality of tool sockets for one tool each, wherein the sockets are arranged in at least two concentric circles, and with a means for the transfer of individual tools from their sockets to a working station and vice versa, characterized in that the outer circle of tool sockets (61) is stationary and the inner circle of tool sockets (62) is rotatable, and that the transfer means (70) for the transfer of a tool from a socket in the inner or in the outer circle of sockets to a ready socket is rotatable by itself for aligning with a socket in the inner row selectively or it is rotatable jointly with the inner circle for aligning with a socket in the outer row selectively.

Comp. Specn. 24 Pages.

Drg. 3 Sheets

CLASS 116G & H.

147849

Int. Cl.-B66c 23/00.

#### HYDRAULIC CRANE WITH RETRACTABLE BOOM.

*Applicant* : ZAKLAD DOSWIADCZALNY DZWIGOW SAMOCHODOWYCH I SAMOJEZDNYCH PRZY OSRODKU BADAWCZO-ROZWOJOWYM MASZYN BUDOWLANYCH, OF 43-300 BIELSKO-BIALA, UL. GALCZYSKIEGO 6, POLAND.

*Inventors* : EDWARD SOSNA AND JERZY GALAS.

Application No. 1245/Cal/77 filed August 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims

Hydraulic crane with retractable boom and ability of changing the crane radius, which is realized by means of the hydraulic cylinder/ram/and retracting mechanism this mechanism comprises of the following elements, viz : girder, supporting element connecting the girder with extended support and this support together with counterweight is driven by means of hydraulic cylinder situated inside the platform.

Comp. Specn. 5 Pages.

Drg. 2 Sheets

CLASS 173B.

147850

Int. Cl.-B05b 5/00.

#### ELECTROSTATIC PAINT SPRAYING APPARATUS.

*Applicant* : HAJTOMUVEK ES FESTOBERENDEZESEK GYARA, OF FFHERVARI UT 98, BUDAPEST XI, HUNGARY.

*Inventors* : GYORGY BENEDEK, ANDRAS BESE, DR. JOZSEF DOMOKOS AND ISTVAN KOVACS.

Application No. 1327/Cal/77 filed August 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

Electrostatic paint spraying apparatus comprising a spraying head, a multiple electrode arrangement including two high-tension electrodes one of which has at least a portion that is not insulated and an earthed electrode, and a paint flow space defined partly by the said portion of one of the high tension electrodes partly by the remainder thereof and by said earthed electrode, the second high tension electrode being spaced outwardly from the insulated electrode and being provided with an insulating layer both on its outer side and on its side facing the said earthed electrode.

Comp. Specn. 13 Pages.

Drg. 3 Sheets.

CLASS 123.

147851.

Int. Cl.-C05b 11/14.

## PROCESS FOR PRODUCTION OF FERTILIZERS.

*Applicant and Inventor* : LADISLAV JOSEPH PIRCON, OF 305 CANTERBERRY LANE, OAK BROOK, ILLINOIS 60521, UNITED STATES OF AMERICA, AND RALPH E. PECK, OF 3100 S. MICHIGAN AVENUE, CHICAGO ILLINOIS 60616, UNITED STATES OF AMERICA.

Application No. 24/Cal/78 filed January 6, 1978.

Convention date November 16, 1977/(47616/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims

A process for the production of fertilizer comprising reacting sulfur oxide containing gas and water at a pH of 3 to 8 in a multiple stage reactor to form sulfur containing acid, maintaining said pH of solution of said sulfur containing acid at 3 to 8 with a basic ion selected from the group consisting of calcium, ammonium and potassium ions, said calcium being derived from phosphatic salts, to form a fertilizer selected from the group consisting of phosphatic, nitrogenous and potassium fertilizers and combinations thereof, said basic ion being rendered water soluble by reaction with said sulfur containing acid at a pH of 2.5 to 5 and said solution increased in the manner described hereinbefore to a pH of from 3 to 8 so as to facilitate the reaction of the sulfur oxide.

Comp. Specn. 59 Pages.

Drg. 3 Sheets.

CLASS 40H.

147852.

Int. Cl.-C01f 7/02, B01d 53/00.

## PROCESS FOR THE PURIFICATION OF WASTE GASES OBTAINED IN THE MANUFACTURE OF ALUMINUM CHLORIDE.

*Applicant* : ALUMINUM COMPANY OF AMERICA, ONE ALCOA BUILDING, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors* : LEE GRAYDON CARPENTER, DONALD LEE KINOSZ AND THOMAS GEORGE LAMBERTI.

Application No. 33/Del/78 filed January 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 11 Claims.

A process for the purification of waste gases obtained in the course of manufacturing aluminum chloride, said waste gaseous containing COCl<sub>2</sub>, and up to 15% by weight gaseous metal chlorides capable of hydrolyzing to form HCl and the corresponding metal oxides and recovering HCl which comprises :

A. removing the metal chlorides from the waste gases by :

(1) passing the waste gases through a bed of activated carbon to remove the gaseous metal chlorides;

(2) passing stripping gas through the activated carbon bed to remove the metal chlorides deposited on the bed;

(3) passing the stripping gas and gaseous metal chlorides through a bed of solid particles selected from the class consisting of carbon or metal oxides of the groups II A, III A, IV A, IV B, and mixtures thereof while contacting the gases with water vapor at a temperature of 100–150°C to convert said metal chlorides to HCl and the corresponding metal oxides;

B. removing HCl from the waste gas by contacting the waste gases with liquid water at a temperature of from 20–100°C to remove HCl vapors therefrom; and

C. removing COCl<sub>2</sub> from the waste gas by passing the waste gases through a bed of activated carbon in the presence of water to hydrolyze COCl<sub>2</sub> in the gases to HCl and CO<sub>2</sub>.

Comp. Specn. 24 Pages.

Drg. 1 Sheet

CLASS 129Q.

147853.

Int. Cl.-F16p 1/06, A61f 9/06.

## AUTOMATICALLY OPERATING FILTER SHUTTER FOR ARC-WELDERS MASK.

*Applicant and Inventor* : MALAIKAL PAUL GEORGE, BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI, RAJASTHAN STATE, INDIA.

Application No. 238/Del/78 filed March 31, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 2 Claims

An automatically operating filter shutter for arc-welder's mask comprising a shutter plate cut in the form of a double sector of butterfly configuration from a circular disc of dark glass or similar material which is opaque to usual ambient light but slightly transparent to intense light such as occurring during the process of arc welding, and the shutter plate having a pivoting hole at its centre and pivoted between the two viewing holes of the mask so as to cover the two viewing holes of the mask while in its normal closed position maintained by a stopper pin and a spring fixed at its centre; and the said shutter being connected by means of a lever pivotally connected to the plunger of a solenoid-plunger arrangement situated vertically above the said pivot on the face shield so that when the solenoid is energised the plunger pulls the connecting strip up and the shutter rotates through an angle about its pivot sufficient to clear the viewing holes of the mask; and the said solenoid being electrically connected to the welding electrode voltage through a rectifier and regulator circuit for operating it on DC supply; and the mask being provided with elastic strap or such arrangement for fixing it on the welder's face.

Comp. Specn. 4 Pages.

Drg. 3 Sheets.

CLASS 32F, & 55E.

147854.

Int. Cl. C07d 49/32.

## PROCESS FOR PREPARING DEXTROROTATORY ISOMER OF AN ASYMMETRIC SPIRO-HYDANTOIN COMPOUND.

*Applicant* : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

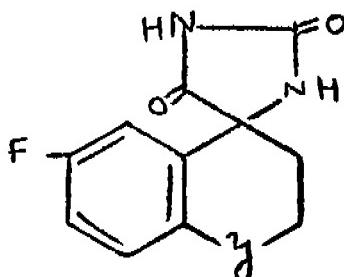
*Inventor* : REINHARD SARDES.

Application No. 272/Del/78 filed April 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 6 Claims

A process for preparing the dextrorotatory isomer of an asymmetric *spiro*-hydantoin compound of the formula I.



wherein Y is oxygen or sulfur, which comprises (1) contacting the corresponding racemic or *dl*-*spiro*-hydantoin having the same structural formula as above with at least an equimolar amount of an optically-active alkaloid in a reaction-inert organic solvent; (2) separating the resulting pair of diastereoisomeric salts by fractional crystallization, and (3) converting the less soluble salt to the corresponding optically-active *spiro*-hydantoin compound via acid hydrolysis.

Comp. Specn. 20 Pages.

Drg. 1 Sheet.

CLASS 95J.

147855.

Int. Cl.-B25b 15/02.

**IMPROVED SCREW DRIVER FOR RECESS HEAD SCREW.**

*Applicant* : G. K. N. FASTENERS LIMITED, OF CRANFORD STREET, SMETHWICK, WARLEY, WEST MIDLANDS B66 2SA, ENGLAND.

*Inventor* : PETER JOHN GILL.

Application No. 815/Del/78 filed November 15, 1978.

Convention date July 19, 1975/(30366/75) U.K.

Division of Application No. 1261/Cal/76 filed July 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 3 Claims

A screw driver for recess head screw having a nose with four radially extending wings spaced at 90° angles around the axis of the driver wherein the outer edge of each wing is part of the surface of a truncated cone or pyramid which is co-axial with the axis of the driver and has its smaller diameter located at the outer end of the nose characterised in that the included angle of the cone or pyramid containing the surfaces of the outer edges of the wings has a value within the range 40°—45°.

Comp. Specn. 4 Pages.

Drg. 1 Sheet.

CLASS 129M.

147856.

Int. Cl.-B21k 1/46, B23g 9/00.

**IMPROVED PUNCH FOR MAKING RECESS HEAD SCREWS.**

*Applicant* : G. K. N. FASTENERS LIMITED, OF CRANFORD STREET, SMETHWICK, WARLEY, WEST MIDLANDS B66 2SA, ENGLAND.

*Inventor* : PETER JOHN GILL.

Application No. 816/Dcl/78 filed November 15, 1978

Convention date July 19, 1975/(30366/75) U.K.

Division of application No. 1261/Cal/76 filed July 14, 1976.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch.

## 3 Claims

A punch for forming a head and a recess in the head of a screw having a surface to form the head of the screw and projecting centrally therefrom a nose having four radial ribs spaced at 90° around the axis of the nose, wherein the outer edge of each rib is part of the surface of a truncated cone or pyramid which is co-axial with the axis of the nose and has its smaller diameter at the outer end of the nose characterised in that the included angle of the cone or pyramid containing the surfaces of the outer edges of the ribs has a value between the range 40°—45°.

Comp. Specn. 4 Pages

Drg. 1 Sheet.

CLASS 32F2a.

147857.

Int. Cl.-C07c 87/50.

**AN IMPROVED PROCESS FOR THE PRODUCTION OF NITRODIPHENYL AMINES.**

*Applicant* : BAYER AKTIENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : JOACHIM GEORGE AND JOACHIM REPLINGER.

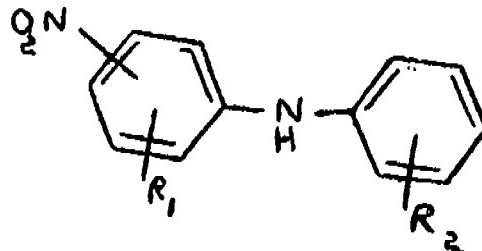
Application No. 51/Dcl/79 filed January 25, 1979.

Division of Application No. 979/Cal/77 filed June 29, 1977.

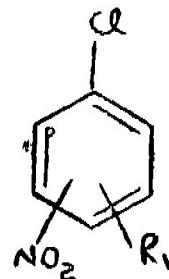
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 6 Claims

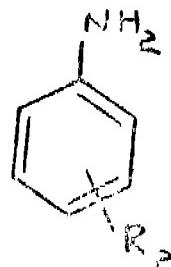
An improved process for the production of nitrodiphenyl amines of the formula III.



wherein R<sub>1</sub> and R<sub>2</sub> represent hydrogen or an alkyl group, R<sub>2</sub> being present in the o-, m- or p-position to the amino group, by reacting nitrochlorobenzenes of the formula I.



wherein R<sub>1</sub> is as defined above, the nitro group being in the o-, m- or p-position to the chlorine group with aromatic amines of the formula II.



wherein R<sub>1</sub> and R<sub>2</sub> represent hydrogen or an alkyl group, by carrying out the reaction in the presence of copper catalysts obtained by the reaction of a copper compound such as herein described with N-methyl-pyrrolidone in a molar ratio of from 2 : 1 to 1 : 10 and potassium carbonate.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 32F2b 1 & 55E.

147858.

Int. Cl.-C07d 27/26.

**PROCESS FOR PREPARING NEW PYRROLIDINE DERIVATIVES.**

*Applicant:* SCIENCE UNION ET CIE, SOCIETE FRANCAISE DE RECHERCHE MEDICALE, OF 14 RUE DU VAL D'OR 92150—SURESNES, FRANCE.

*Inventors:* LASZLO BEREGI PIERRE HUGON, JACQUES DUHAULT AND MICHELE BOULANGER.

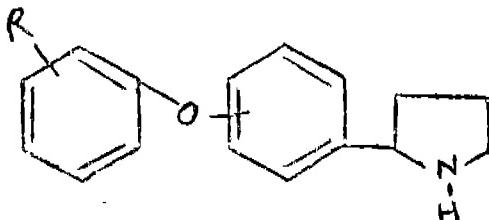
Application No. 148/Del/78 filed February 24, 1978.

Convention date February 25, 1977/(08096/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims

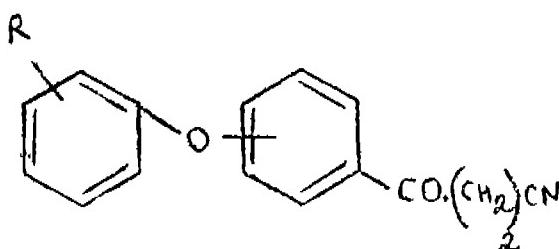
A process for preparing pyrrolidine derivatives of the general formula I.



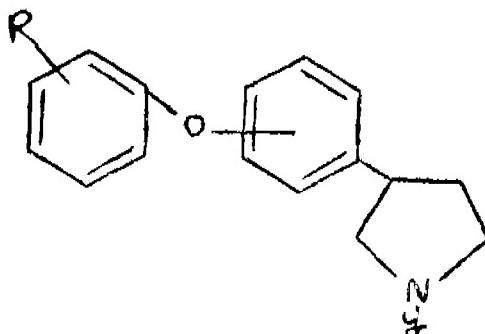
in which R is a hydrogen atom, a halogen atom, an alkyl or alkoxy group each having from 1 to 4 carbon atoms or a trifluoromethyl group; and

Y is a hydrogen atom, a saturated or unsaturated hydrocarbon group having from 1 to 4 carbon atoms, or a hydroxyethyl, hydroxy-propyl or carboxymethyl group,

and acid addition salts, especially physiologically tolerable acid addition salts thereof, which comprises reducing a compound of the general formula II.



wherein R has the meaning given above, with hydrogen under pressure in the presence of Raney Nickel, in order to obtain a compound of the formula shown in Figure I.



wherein R has the meaning given above, and if desired treating this last compound by classical methods to obtain the corresponding N-substituted pyrrolidines of the formula I wherein R has the meaning given above and Y represents a saturated or unsaturated hydrocarbon radical having from 1 to 4 carbon atoms inclusive a hydroxyethyl, hydroxypropyl or carboxymethyl radical, and, if desired, the so-obtained pyrrolidine derivatives are treated with suitable acids in order to give the corresponding addition salts.

Comp. Specn. 14 Pages.

Drg. 4 Sheets.

CLASS 32 A2+154H

147859.

Int. C09 b 59/00.

**PROCESS FOR THE PREPARATION OF A DYE STUFF-POLYMER COMPLEX.**

*Applicant:* THE ARVIND MILLS LIMITED OF RAILWAY PURA POST, NARODA ROAD, AHMEDABAD-380002, GUJARAT, INDIA.

*Inventors:*

1. JAMNADAS KHIMCHAND SHAH.

2. MANIK CHANDRA SADHU.

3. BHARAT KUMAR NARENDRA KUMARJOSHI.

Application No. 79/Bom/77 filed March 1, 1977.

Complete specification left June 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

5 Claims

1. A process for the preparation of a dyestuff polymer complex adapted to be employed as a printing paste with a single printing roller or screen or as a dyeing liquor with a single dye bath for producing self or multi coloured speckled effects on natural or synthetic textile materials or blends thereof to which the paste or liquor is applied, which process comprises mixing thoroughly in an aqueous medium a selected non-ionic dyestuff such as herein described with one or more polymeric compounds such as herein described, adding to the mixture thus obtained sulphuric acid whereby the polymeric compound precipitates out entrapping individual dye stuff molecules to form the desired dyestuff polymer complex, and separating the said complex from the mixture in any conventional manner.

Provisional specification 9 pages.

Complete specification 9 pages.

**PRINTED SPECIFICATION PUBLISHED**

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

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## PATENTS SEALED

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 144116 144138 144469 144635 144663 144664 144833 144862  
 144953 146013 146788.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Sanders Associates Inc., of Daniel Webster Highway, South Nashua, New Hampshire 03060, United States of America, a Corporation of Delaware, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 136499 for "Apparatus for generating dots upon the screen of a television receiver for manipulation by participants". The amendments by way of explication and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(2)

The amendments proposed by Snamprogetti S.p.A., in respect of patent application No. 143295 as advertised in Part III, Section 2 of the Gazette of India dated the 22nd September 1979 has been allowed.

## PATENTS DEEMED TO BE ENDORSED WITH THE

## WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

*No and Title of the invention*

- 139739 (28-12-72) Process for reducing losses during alumina production according to bayer process.  
 139796 (26-02-73) Process for the manufacture of new vat dyestuffs.  
 139810 (28-01-76) Improvements in or relating to method of manufacture of paratertiary butylphenol.  
 139831 (13-01-75) Method for producing microcrystal cellulose.  
 139844 (26-06-73) Method for the batchwise gaseous reduction of iron oxide ore to sponge iron.  
 139888 (03-04-74) Process for the preparation of a mixed catalyst for oxidising carbonmonoxide at ambient temperature.  
 139915 (10-04-73) Process for the production of normal paraffin.  
 140052 (04-05-74) Method for refining iron base metal.

## RENEWAL FEES PAID

100164 100364 100935 101151 105827 106052 106066 106145  
 106349 106365 106501 106656 107303 107341 107871 111130  
 111131 111187 111171 111252 111636 111779 111824 111989  
 112010 113123 116420 116643 116657 116814 116909 116931  
 116947 117057 121938 122059 122376 122458 122459 124526  
 127153 127154 127155 127156 127578 127738 127826 127936  
 128258 128334 128668 129675 130933 132253 132743 133860  
 135548 136022 136029 136164 136276 136728 136975 137086  
 137708 138027 138237 138365 138736 138843 138844 138845  
 138975 139434 139531 139649 139742 139747 139799 140078  
 140566 140808 140810 141066 141180 141217 141356 141428

141523 141554 141744 141820 141854 141955 141982 142140  
 142271 142273 142465 142510 142575 142724 142745 142859  
 142861 143069 143183 143223 143338 143377 143432 143620  
 143750 143837 144061 144101 144113 144118 144194 144358  
 144505 144659 144685 144742 144769 144788 144934 144981  
 144989 145014 145034 145290 145482 145513 145626 145634  
 145737 145750 145874 145876 146001 146145 146149 146188  
 146191 146388 146403 146412 146416 146432 146501 146503  
 146536 146651.

## CESSATION OF PATENTS

116347 137593 139705 139708 140277 140295 140299 140302  
 140304 140307 140313 140331 140332 140333 140335 140336  
 140340 140348 140353 140355 140358 140359 140370 140371  
 140373 140374 140403 140408 140414 140417 140423 140424  
 140425 140426 140427 140429 140431 140443 140446 140447  
 140448 140459 140464 140469 140479 140485 140488 140490  
 140493 140502 140503 140504 140505 140510 140513 140514  
 140515 140520 140526 140527 140528 140531 140541 140548  
 140549 140551 140552 140556 140557 140558 140562 140574  
 140578 140582 140587 140594 140605 140611.

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 126262 granted to Sybron Corporation for an invention relating to "intrinsically safe system including electrical barrier." The patent ceased on the 20th April 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th March, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th September 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 135197 granted to Colgate Palmolive Company for an invention relating to "a visually clear dentifrice." The patent ceased on the 7th April 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th March 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 19th September 1980 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application for restoration Patent No. 93230 dated the 9th April 1964 made by Toyo Sen-I Kabushiki Kaisha on the 6th April, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 18th August 1979 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

- Class 1. No. 148969. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flashlight". November 7, 1979.
- Class 1. No. 149089. Kuldeep Grewal, Indian, Bldg. No. 6/A, Ground Floor, Dhake Colony, Andheri (W), Bombay-400058, Maharashtra. "Water Bottle". December 13, 1979.
- Class 1. No. 149091. Ramaprasad Datta, 19, Serpentine Lane, Calcutta-14, West Bengal, India. "Mixer Machine of Violet Microfined Detergent". December 14, 1979.
- Class 3. No. 148932. Ballabh Das Pugalia, Indian, trading as B. K. Products of 39, Radha Madhab Saha Lane, Calcutta-700007, West Bengal. "Container". October 26, 1979.
- Class 3. No. 148949. Banwari Das Pugalia, Indian, trading as B. K. Products of 39, Radha Madhab Saha Calcutta-700007, West Bengal. "Container". October 30, 1979.
- Class 3. No. 148968. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700001, West Bengal, India. "Flashlight". November 7, 1979.
- Class 3. No. 148970. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flashlight". November 7, 1979.
- Class 3. No. 149038. Dunlop Limited, a British Company of Dunlop House, Ryder Street, St. Jame's, London S.W. 1, England. "Tyre for a vehicle wheel". Priority date 6th June 1979.
- Class 3. No. 149083. Om Parkash & Sons, 1421-53/9, Gate Hakkiman, Amritsar-143001, Punjab State, an Indian Partnership Concern. "Pen". December 11, 1979.
- Class 3. No. 149084. Om Parkash & Sons, 1421-53/9, Gate Hakkiman, Amritsar-143001, Punjab State, an Indian Partnership Concern. "Pen". December 11, 1979.
- Class 3. No. 149085. Om Parkash & Sons, 1421-53/9, Gate Hakkiman, Amritsar-143001, Punjab State, an Indian Partnership Concern. "Torch". December 11, 1979.
- Class 3. No. 149240. Subramanian Nageswaran of No. 6, 9th Cross Street, Shastri Nagar, Madras-600020, Tamil Nadu, India, an Indian National. "Mug". February 1, 1980.

S. VEDARAMAN

Controller General of Patents, Designs and  
Trade Marks